

Credit Union Votes 1952 Dividend Of 4.2 Per Cent, Finds Condition Excellent, Elects New Officers

Carbide Observes 10th Anniversary Of Operations In Atomic Energy Field

Carbide this week observes its 10th year of continuous operations in the field of atomic energy operations in co-operation with the United States Government.

As this anniversary is reached The Y-12 Bulletin is publishing an insert page featuring highlights of the decade of Carbide participation in the atomic energy program. Carbide's increasing responsibilities in this program are told in headlines describing expanding facilities and new and better tools for greater research efforts.

On Page Three and Page Four is given a brief word and picture story of Carbide's highlights of the decade.

On those pages is the story of the unique contract signed by the United States Government and Carbide—the part Union Carbide and Carbon Corporation played in the atomic energy program—pictures of the three Oak Ridge plants in their early stages and a headline resume of the high spots of the progress made by each of these facilities.

Don't miss it—these pages are history.

Y-12 Safety Record In 1952 Second Best Since Carbide Began Operations In Plant

Five-Year Mark Among Best In Company, Nations 1949 Statistically Best But Employees Fewer

With Carbide observing its 10th year of atomic energy operations and entering its sixth full year as contractor for the Y-12 Plant, Y-12ers can point with pride to the safety record established here over the past five years. In the year 1952 just past, the plant record was the second best statistically since Carbide began operations in Y-12 on May 4, 1947. From the overall standpoint of employees on the rolls, 1952 can well be the stand-out of them all.

Safety Department records show 15 lost time accidents during 1952, involving a loss of 611 days of work by injured employees. The frequency rate (number of injuries per 1,000,000 man-hours of operations) was extremely low, being only 1.74 per cent. The severity rate (days lost per 1,000 hours of operations) was by far the best of the past five years, being .07 per cent.

No Letdown Permissible

Supervision and employees alike are to be congratulated on this record, but it is pointed out again that if this enviable reputation for safe working is to be continued for the benefit of the individual as well as the Company, there must be no letdown. Every individual employee is urged to redouble efforts to eliminate every possible safety hazard in the plant and to eliminate all unsafe working practices that might lead to a disabling accident.

The Y-12 safety record is re-

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Assets Now \$418,487; Shares, Loans Increase

The Y-12 Employees Federal Credit Union membership last Thursday night voted to repeat its 1951 dividend declaration of 4.2 per cent for shareholders of 1952, elected three members of its board of directors, one on the credit committee and one to the supervisory committee. The credit union members also heard optimistic reports from the board, two committees and the treasurer that declared the financial condition and prospects for growth of the organization to be excellent.

Conservative Dividend Endorsed

In adopting the report of the treasurer and board of directors that the dividend for 1952 be the same as the previous year, the membership endorsed the proposal of President Morris J. Fortenberry, of the Materials Chemistry Division of Oak Ridge National Laboratory in Y-12, that a conservative dividend be declared. The president suggested that such a dividend would keep the financial reserves and general condition of the credit union in firm shape. In accordance with past procedure, the amount of dividend due each shareholder in the credit union will be credited to his share account instead of issuing individual payments.

New members of the board of directors elected were Alan True, Engineering; Fred Henry, Buildings and Grounds; and Paul Snodgrass, Receiving and Shipping. Holdover members are Fortenberry, A. M. Schrader, Field Maintenance; W. K. Prater, Isotope Research Production Division of ORNL in Y-12; and Mrs. Lorene Causey, general manager and treasurer. The new members were elected for three year terms. Retiring members were Evan Means, Electrical Maintenance; Paschal Hamrick, Personnel; and C. L. Estes, Maintenance Shops.

J. P. Blakeley, Materials Chemistry; was the new member elected to the credit committee. Holdover members are E. A. Cobble, Buildings and Grounds; and R. L. Jeffries, Training. Two alternates elected to the credit committee were R. S. Phillippi, 9212 Operations; and C. V. Ketron, Materials Chemistry. Blakeley was elected

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Dr. George T. Felbeck

Atomic Energy Duties Dropped By Dr. Felbeck

Vice President To Give More Time To Program Of Coal Hydrogenation

Dr. George T. Felbeck has relinquished his responsibilities for Union Carbide and Carbon Corporation's extensive work in atomic research and production in order to devote more of his time to the Corporation's coal-hydrogenation chemicals project, it has been announced by Dr. J. G. Davidson, President of Carbide and Carbon Chemicals Company, a Division of Union Carbide. Dr. Felbeck is a member of Union Carbide's Research Committee and is a Vice President of the Chemicals Company.

Well Known In Y-12

As a pioneer in the atomic research project undertaken 10 years ago by Union Carbide, Dr. Felbeck is well known to many Y-12ers and personnel in the other Oak Ridge units of the Company. He has visited Y-12 on many occasions and lived in Oak Ridge for some time during the earlier days of the project.

In addition to his work in the atomic energy field, Dr. Felbeck has been responsible for the development of UCC's coal-hydrogenation process for producing chemicals from coal. He is the officer in charge of the Chemical Company's Physical Processes Department, which was created to study all facets of the use of coal as a raw material. The successful operation of a pilot plant for this purpose was announced last May.

Complete Decade Of Progress

Dr. Felbeck is terminating his present responsibilities in the atomic energy program at a time when Union Carbide will have completed, on January 20, its first decade of work in atomic energy.

The original K-25 gaseous diffusion plant for producing Uranium 235, the fissionable material that is the key to all atomic energy, now has been expanded many times at Oak Ridge. The gaseous diffusion plant now being built at Paducah, Ky., which Carbide and Carbon Chemicals Company also will operate, incorporates the latest design and engineering developments that have been achieved in the Oak Ridge operations. In addition, Carbide is giving engineering and training assistance to the contractors involved in the latest gaseous diffusion plant to

Continued on Page 6

Metals Group To Hear Talk On Molybdenum

Y-12ers and other technical persons interested in the subject "Recent Advances In The Metallurgy of Molybdenum" are invited to attend the technical meeting of the Oak Ridge Chapter of the American Society for Metals to be held tonight, January 21. The meeting will be a dinner session at 6:30 p.m. at the Edgewood Steak House, House Ridge.

It was announced through error last week that the Metal Group would meet Thursday.

Harry B. Goodwin, of the Battelle Memorial Institute, will give the principal talk on the program. He has been with Battelle since 1949 and has engaged in various Navy, Air Force and A.E.C. sponsored research programs on molybdenum development. Goodwin is secretary for the Office of Naval Research Advisory Committee on Molybdenum.

Goodwin received a B.S. degree in metallurgy from the Massachusetts Institute of Technology in 1937 and became connected with the Bethlehem Steel Co. He later joined the Crown Cork and Seal Co., Baltimore, Md., and then entered the Army. After five and one-half years of military service he joined the staff of the Applied Physics Laboratory in Silver Springs, Md., where he first became associated with molybdenum in connection with metallurgical problems encountered in building ram-jets.

In his talk tonight Goodwin will describe problems encountered in fabricating and using molybdenum and how to overcome them.

'As You Like It' Tickets May Be Obtained In Y-12

Several Y-12ers have tickets for sale for the Bliss Repertory Theater production "As You Like It" to be presented on Saturday night, January 24, in the civic auditorium in the Oak Ridge High School. The tickets may be obtained in Y-12 from George Werner, Oscar Menis, Kenneth Warren, Edward Dowling, D. Mason and S. A. Hluchan.

The popular Shakespearean comedy is being presented by the Bliss troupe under auspices of the Oak Ridge Unitarian Church.

"Prophet" Predicted Location Of Y-12 Plant ... Ground Broken February 1, 1943 ... 237 Original Employees Still On Job Here

Looking backward as Y-12 enters its 10th year of operations—

An East Tennessee "prophet," John Hendrix by name, once was quoted as saying:

"Bear Creek Valley some day will be filled with great buildings and factories and they will help toward winning the greatest war that ever will be."

Neighbors scoffed—but that's just where the Electromagnetic Plant for the Concentration of Uranium 235 was located by Engineers of the Manhattan District. Of course, that plant is now Y-12.

The first ground was broken for a Y-12 building on February 1, 1943, and on January 27, 1944,

the epochal "first run" of U-235 was made.

Thousands of men and women were placed on the Y-12 payroll during 1943 and it is a tribute to the plant as being a good place to work that of the persons hired in 1943 a total of 237 have remained in continuous employment. Another 209 who were hired in 1943 but later left for one reason or another have returned to work here. That makes a total of 446 Y-12ers now around who were first employed in that first year of the plant's existence.

Some stupendous figures are met in reviewing Y-12 history.

For instance at one time copper was scarce and time valuable so approximately 14,000 tons of silver worth \$200,000,000 was borrowed from the United States Treasury for use in conductors. Another feature of the Y-12 plant was the building of magnets each containing thousands of tons of steel, nearly 100 times as large as any previously built. They were 250 feet long and so powerful that their pull on nails of shoes of persons nearby made walking difficult.

The Y-12 plant covers approximately 500 acres of land and at the peak of operations had about 170 buildings with a floor space of 4,500,000 square feet.

SAFETY SCOREBOARD

**Your Plant Has
Operated
16 Days
Without A Lost Time
Accident
Through January 18**

The Bulletin

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Y-12 Employees Of
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GEORGE W. DOBBS . . . Editor

OFFICE
North Portal Bldg. 9701-1
Telephone 7753

ASTE Seeks Members For Ridge Chapter

A large number of tool engineers, including many from Y-12, attended the second organizational meeting last week with the objective of forming a proposed East Tennessee Chapter of the American Society of Tool Engineers, according to M. B. Hilton, of the Y-12 Engineering Department and temporary secretary of the group. The meeting was held at the Oak Ridge High School.

Hilton has urged any Y-12er wishing to join the proposed new chapter to obtain application blanks and fill them out. The blanks may be obtained from him in Bldg. 9212, W. K. Forrester, Maintenance Shops, Bldg. 9739; or Howard McCraw, also of Maintenance Shops, Bldg. 9709. Forrester and McCraw are membership committeemen.

A charter will be granted the chapter when the membership exceeds 50, Hilton said. When the charter is awarded, permanent officers will be elected.

The ASTE has more than 100 chapters and 25,000 members in the country.

Rides Wanted, Offered

Ride Wanted Or Will Participate in Car Pool—From Central Ave. Pike and Inskip Road, Inskip, straight day. W. O. Prater, plant telephone 7191, home telephone 6-3353, Knoxville.

Car Pool Participant Wanted—From Chapman Highway section of Knoxville, straight day. K. F. Brown, plant telephone 7385, home telephone 5-8300, Knoxville.

Riders Wanted—From Fulton Road, Fountain City, straight day. W. H. Hatfield, plant telephone 7218, home telephone 6-3075, Knoxville.

Want To Participate In Car Pool—From Kingston, straight day. Mary and Dick Sladky, plant telephone 7197.

Car Pool Participant Wanted—From Portland Place or Pikeville Lane, Oak Ridge. Call one of the following: Phil Breman, plant telephone 7407; LeRoy Erwin, 7078; John McKenney, 7953; or Cliff Sheridan, 7679.

Riders Wanted—From Jacksboro, Tenn., rotating shift (G Schedule). E. M. Baird, plant telephone 7901, home telephone 165-W 1, Jacksboro.

Ride Wanted—From Sutherland Ave., Veterans Village, Knoxville, to East Portal, straight day. Kathryn Reaves, plant telephone 4601, home telephone 8-3314.

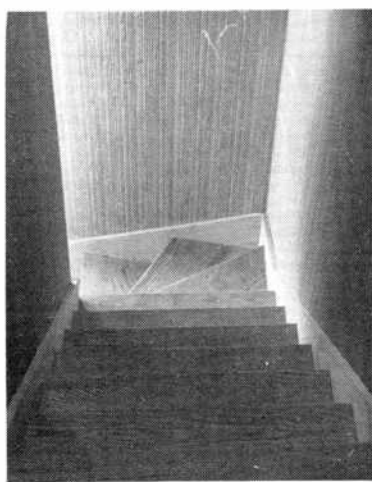
Ride Wanted—From vicinity of West Outer Drive and Highland Ave. to North Portal, straight day. William Greenstreet, plant telephone 7537, home telephone 5-5098.

Ride Wanted—From Keith Ave., N.W., Knoxville, to East Portal, straight day. John R. Bosson, plant telephone 7731, home telephone 2-0410, Knoxville.

Two Riders Wanted—From Lake City, straight day. O. B. Wray, plant telephone 7686, home telephone 4581.

Patron: "Do I have time to say good-bye to my wife?"

Bus Driver: "That depends; how long have you been married?"



TWO EXCELLENT PHOTOGRAPHS entered by S. A. Hluchan, of the ANP Division of ORNL in Y-12 won second and third prizes in the January contest of the Carbide Camera Club. "Ad Lucem," top, took second honors and "Practice," below, won third place.

Camera Club Studies Program Of Contests

The Carbide Camera Club now is laying plans for its 1953 program of photographic print and color slide contests for 1953, according to Janet Cisar, president of the club. She has urged all members to submit their suggestions for such a program at the next meeting of the organization, to be held on Tuesday night, February 10, in club headquarters in the Y-12 East Portal building. The president is with the ANP Division of Oak Ridge National Laboratory in Y-12.

Meanwhile members are urged to pay their \$2 annual dues for club membership in 1953 to George Begun, secretary-treasurer of the club, who is located in Bldg. 9733-1, in Y12. He is with the Materials Chemistry Division of ORNL in Y-12. Membership cards will be issued with the payment of dues.

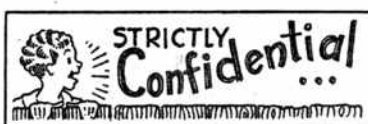
Robert Freestone, of ORNL, won first prize in the photographic print contest held at the club meeting on January 13. S. A. Hluchan, of the ANP Division in Y-12, won second and third places. Freestone also gave a talk on various types of photographic printing papers and developers and their uses.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Henriette Keene, Personnel; John E. Cooley and Walter Sweeten, Uranium Processing; Frank D. Jeffreys and Samuel L. Bryant, Buildings and Grounds; Conrad McPeters, Guard; Arbana Honeycutt, Reba J. Duncan and Lelia Leslie, Laundry; Alvin J. King, Field Maintenance; Kenneth S. Lyle, Property Sales; and J. J. Winslett, Maintenance Shops.

She: "And if I refuse you will commit suicide?"

He: "Well—that's my usual custom."



Looks like the flu bug must have invaded Y-12 last week, according to the long list of folks who turned up with ailments of various and sundry kinds. Well, Summer's coming — some time — we hope. Meanwhile, best wishes to all of the sick people.

P. O. Delius, of Maintenance Shops, has returned from a two-week vacation which he spent visiting relatives in Richmond, Va. . . . Harold Babb and his wife spent a few days in Nashville last week while vacationing . . . W. L. Lowry has returned from a week of vacation . . . J. B. Price also was vacationing last week . . . The department congratulates J. D. Davis on his recent marriage . . . Sympathy is extended to D. D. Woods, whose father passed away recently at his home in Bristol, Va. . . . The department also extends sympathy to E. E. Dickert at the recent death of his father in Rock Hill, N. C. . . . A speedy recovery is wished for all the folks on the sick list which includes W. A. Sherrod, C. L. Estes, C. C. Hickey, B. H. Hobby, Mike Shemanski, J. J. Winslett, J. P. Shuttle, J. R. Gresham, J. B. McConnell, T. E. Brantley and C. S. Vance.

A speedy recovery is wished for Penny Keene, of Medical, who was a patient in the Oak Ridge Hospital last week.

Get-well wishes go to K. S. Lyle, of Property Sales, who is ill in the Oak Ridge Hospital.

The ADP Process Improvement Department extends congratulations to Bill Hamill and his wife, who are the proud parents of a baby girl born January 10, at the Oak Ridge Hospital . . . Get-well wishes are extended to J. A. Butler and R. M. Wolf, who are on the sick list.

Congratulations are extended to Lois Barnes, of the Alloy Department, who was married last Sunday to Randy Hudson at the Hudson's family home in Sweetwater. After a two-week honeymoon the couple will make their home in Knoxville.

The Stores Department welcomes Marjorie Brown to the roster.

The Engineering Department welcomes Joe W. Kidd, H. V. McAdams, R. B. Schappel and Thomas Chambers to its roster.

The Product Processing Department extends wishes for a speedy recovery to Addie Sue Borum, who is a patient in Beverly Hills Sanitarium in Knoxville.

Maybe this little yarn spilled in Grand Central Depot (Bulletin and Recreation Office) last week might help the sick folks out a little—or it might make them sicker. Anyhow, here 'tis.

Seems as how a big boy Idaho potato crossed the sea to Old Erin and married a beautiful little Irish potato. In due time they sprouted a little sweet potato (or patootie.) One day the little sweet patootie came to her parents and said:

"I want to marry Walter Winchell."

"Heck, no," roared the Idaho potato pappy. "No potato of this family is going to marry a commentator."

Oh me, oh my.

The Uranium Control and Computing Department extends the best of luck and wishes for Betty Brown, who terminated last Friday to join her husband, Edward, in the Panama Canal Zone, where he is stationed with the Navy . . . Flora Coefield spent the week end visiting in Sweetwater with Georgia Moore, a former Y-12er now working with AEC . . . The department welcomes Russell E. Raulston and Ed Owens to the roster.

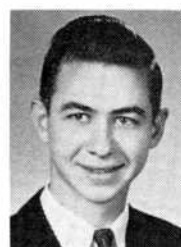
Fannie Arnold, of the Analytical Laboratory, spent last week's vacation at her home in Byington . . . Sympathy is extended to F. Miracle at the death of his brother in Detroit, Mich. The interment ceremony was held in Pineville, Ky. . . . Get-well wishes are extended to the folks on the sick list who are



CAPT. J. B. LIVINGSTON, RIGHT, OF THE OAK RIDGE police, has just shown a group of Highland View school pupils who are children of Y-12 employees the city map on which traffic accidents are posted as the youngsters extended their traffic study to the police department. Mrs. Virginia Lindenmeyer, teacher of the class making the school safety study, is second from left in rear. The youngsters shown are Charles Hickman, James Babb, Larry Richards, Jimmy McCloud, Angela Parsons, Elizabeth Sewell, Carolyn Reneau and Nellie Tittle.



Miss Miller



Mr. Arms

MILLER—ARMS

Mrs. Cassie C. Miller, of 102 Henderson Lane, Oak Ridge, has announced the engagement of her daughter, Miss Loretta Jane Miller, to Virmon William Arms, Jr., son of Mr. and Mrs. V. W. Arms, Sr., 343 Jefferson Ave., also of Oak Ridge. The father of the groom-elect is with the Research Services Department in Y-12.

The couple is hoping for a summer wedding, but the date will be determined by the Navy schedule of the groom-elect. He is now serving on a naval transport and is on a tour of duty in Alaskan waters at present. His home station is San Diego, Cal.

Both Miss Miller and her fiancé are graduates of Oak Ridge High School in 1951.

ACS Section Sets Meeting For Tuesday, January 27

The East Tennessee Section of the American Chemical Society will hold its next meeting at 8 o'clock next Tuesday night, January 27, in Room C-121 (music room) of the Oak Ridge High School. Dr. John C. Bailer will be the speaker.

The meeting will be preceded by a dinner at the Oak Terrace. Y-12ers intending to attend the dinner are asked to make their reservations before 4:30 p. m. on Monday, January 26, with John Burr, plant telephone 7978.



Congratulations to—

Charles W. Hamill, ADP Process Improvement, who became father of a daughter born January-10 at the Oak Ridge Hospital.

Dick Fenske, Ruth Jones and Ralph Langsjoen.

The Planning and Estimating Department welcomes C. B. Brown to the roster.

Thanks for everything.

Highland View School Keeps Accident Record

Up at the Highland View School on Outer Drive in Oak Ridge pupils of Y-12 employees and all the others are particularly safety-conscious on traffic and home accidents. Not only are the youngsters continually reminded in classroom work about avoiding hazards but some of them now are keeping statistical records in an effort to lower accident records not only in their own particular section of the city but throughout the community.

A sixth grade class taught by Mrs. Virginia Lindenmeyer launched the statistical work, keeping its own records and a chart. The chart and records mark the location of every traffic accident or home mishap suffered by youngsters in the school or by their parents. From this information it is hoped that a report and recommendations can be drafted that will lead to a reduction of the accidents.

Last week the youngsters visited Oak Ridge police headquarters where they viewed the traffic accident chart supervised by Capt. J. B. Livingston. After hearing how the police obtain and keep their records the class decided to extend its own record sheets to include automobile mishaps in the entire city. They will receive daily reports from the police to keep this data up to date.

This scholastic effort, according to Charles P. Furney, principal of the school, is intended not only to add to the laurels already gained from the National Safety Council but to better the safety record of the school families. The school now has seven straight annual citations from the National Safety Council and is trying for its eighth.

Physics Seminar Will Meet At ORNL On January 27

The next meeting of the Oak Ridge Physics Seminar will be held next Tuesday, January 27, in the auditorium of the Oak Ridge National Laboratory research building. The meeting this week was postponed to then because of the American Physical Society meeting at Cambridge, Mass., to be attended by several Carbide personnel.

At the meeting next week Dr. J. Allen, of the University of Illinois, will speak. His subject will be "Electrons Neutron Angular Correlation In The Decay of He6.

Braggart, to a gang of dubious doubters: "As I strolled about in that little African village, I spotted a leopard."

One of the DD's: "Now I know he's a liar; they come spotted."

Excerpts From Contract

Carbide will continue to forge ahead—for the defense and the scientific development of the United States.

**K-25 Headquarters
Were Transferred
Here March 1, 1944**

**House Committee
Approves Measure
For K-25 Expansion**
New Plant To Double
Combined K-29, 31 Cost

**First Waterways
Shipment by K-25
Left Here July 21**

**K-25 Engineering
Has Big Part In
X-Site Planning**

Assignments Are Announced For K-29 And K-31 Plant Operations

Organizational Change At Two Plants Announced

Superintendents
At K-25, Paducah
Plants Appointed

Five Appointments
Are Announced
For Paducah

K-33 Construction
Moving Along In
Gigantic Stride

Men To Take Over
New Operations As
Units Are Ready

**Ground Broken for Building
Of New K-29 Plant Addition**

**New Contract With
K-25 Steam Plant
Makes Change
For Natural Gas**

**AEC Extends Over Five Year
K-25 Plant Shown In 1945**

**ORNL Operating Five Million Volt
Van de Graaff Generator**
Design For New Research Building Approved

**Lab To Take Part
In AEC Cyclotron
Isotope Program**

**Company Completes Contract Terms
For Operation Of O. R. National Lab**
Carbide Will Assume Operation of X-10 March 1;
Extensive Building Program Is Planned

**Atomic Power Produced At Lab
To Feature Oak Ridge Opening**

Current Induced By Pile Fission To Be Used
For Ribbon-Cutting Ceremony At Elza Gate

ORNL Under Way In December 1943



Major Expansion Program For ORNL

\$20,000,000 Outlay
Lends Permanency
To Lab's Planning

Operation of New Low Intensity Test
Reactor at ORNL Announced by AEC

Nation-Wide News
Directs Attention
To ORNL

Operation of 'Swimming Pool' Reactor
At ORNL Announced

**New Research Tools Prove Useful
To Science, Medicine and Industry**

**UCC Research Committee Holds
Meetings at ORNL, K-25, Y-12;
Discuss Recent Developments**

Laboratory Acclaimed As Hub of Looming Radioisotopes Industry
June 1943 Picture of Y-12

**PEACETIME BENEFITS SPEEDED
BY Y-12 STABLE ISOTOPES**
More Than 100 Stable Isotopes
Of 29 Elements Now Available
For United States Laboratories
Growth of Stable Isotope Orders
Reflects Their Value To Research
Total of 1,251 Shipments Made To AEC Projects,
Universities And Independent Investigators

**ORNL Divisions Play Important Role
In Idaho Chemical Processing Plant**

**Biggest Shipment By Volume Of Y-12 Produced Stable Isotopes
Made In December, 51,424 Milligrams (.11 Pounds) Of Lithium 7**

PLANT BOWLING TOURNEY SET MARCH 14, 15, 22

Grocers Quintet Leads Plant Loop

Guards Again Defeat Engineers By Point

The Grocers stepped out into a commanding lead in the Plant Basketball League last week with two decisive wins, topping the Engineers by 51 to 33 and the Kilroys by 38 to 26. The Engineers further hit the skids by losing their second straight one-point game to the Guards by 32 to 31.

Whitaker Bags 27 Points

Whitaker, of the Grocers, dropped 27 points through the hoops in his team's win over the Engineers, while Sutton got nine for the losers. Hembly led the Grocers in the win over the Kilroys, scoring 14 points while Stevens amassed 12 for the losers.

That tiff between the Guards and Engineers was nip and tuck all the way, being tied at 25-all at the three quarter pole. Thomas and Phillips each got eight counters for the Engineers and Reynolds led the Guard to victory with his 14 points.

Guards Win Two Tilts

The Guards won two during the week, topping the Duds by 25 to 20. Jones, Guards, had eight points and McGinnis, Duds, nine. The Rough House Five also picked up a pair of victories, trimming the Kilroys 41 to 30 and the Duds 41 to 26. In the first tilt Cottrell tallied nine for the winners while Ransohoff and Fuson each got seven for the Kilroys. Against the Duds it was Joe Walton for the Rough Housers with eight. Neighbors tallied 14 for the Duds but got little help from his mates.

League standing follows:

Team	W	L
Grocers	7	1
Engineers	5	3
Kilroys	5	3
Rough House Five	4	4
Guards	4	4
Duds	0	8

Riflemen Top Loop After Beating K-25

Well out in front in the first half of the schedule of the winter season of the Oak Ridge Rifle League, the Y-12 sharpshooters will meet the Juniors tomorrow night, Thursday, January 22. It will be the last match of the first half. After handing K-25 a crushing defeat last week the Y-12ers have a record of five wins and no losses in scratch firing and four wins and one loss, to ORNL, in handicap scores.

Capt. J. D. Rose's riflemen beat K-25 by 893 to 841 scratch and 981.301 to 960.207 in handicap scores. The top five scorers for Y-12 in handicap and scratch were J. P. Smith 195.600—173; W. D. Cunningham 194.775—178; H. C. Hoy 194.372—177; J. D. Rose 194.304—173; and R. Goossie 192.170—152. Other Y-12 tallies were C. Brewster 191.520—147; W. R. Rathkamp 191.151—184 (high scratch score for the night); J. R. Helton 190.560—141; N. J. Tronolone 189.600—135; R. Wells 188.800—130; and E. Gentry 188.160—126.

W Loop Bowlers Plan For Dinner

The W League of Y-12 plant women bowlers now is planning for its participation in the annual banquet of Oak Ridge keglers in the Women's International Bowling Congress. The dinner will be held Thursday night, February 19, at the Jefferson Hall. Each league in the WIBC will present a skit at the dinner.

Y-12 SPORTS

Varsity Bowlers Still Top Loops; 'Straight' Scored

The Y-12 varsity bowling teams remained on top of the Oak Ridge City League last week, the men taking three points from Oak Ridge National Laboratory and the women splitting even with the EAT lassies.

The keglers knocked over the Labsters by rallying to take the last two games and total points, scores being 854, 893, 856—2603 for Y-12 and 865, 819, 798—2482 for ORNL. Len Hart's 190, 206, 194—590 topped the Y-12ers and he was followed by Frank Gragg 166, 192, 174—532; Jack Spears 158, 189, 160—507; Joe Pryson 170, 157, 169—496; and Roy Roberts 170, 149, 159—478.

The EAT keglers gobbled up the Y-12ers in the first two games of their match by small margins, but a wide Y-12 victory in the final tussle brought the total pinnage to the Y-12 team. Y-12 game scores were 670, 755, 718—2143 to 686, 766, 683—2134 for the opposition. Juanita Reed topped the Y-12ers with 155, 169, 147—471; Mavis Koons 123, 170, 174—467; Mary Ballard 143, 132, 135—410; Ruby O'Kain 135, 136, 137—408; and Betty Whitehorn 114, 148, 125—387.

A feature of the match was the "straight" rolled by O'Kain with her consecutive games of 135, 136 and 137.

Wobblers, Cut Ups Continue Win Streak

The Pin Wobblers and Cut Ups continued their victory streak in the E League of plant bowlers last week, each taking a whitewash victory with the Peglers and Stinkers on the goose egg and of the score. The Easy Aces blanked the 66s and the Hobslurps beat the No Pins by three points. In a makeup match the Stinkers took four points from the Easy Aces, the results being included in the standings published this week.

The Pegler's Paddy Peckman, even in defeat, had most of the scoring honors for the night with a 219 scratch game, boosted to 240 with handicap, and a 512 scratch series. Geller, Stinkers, had a 636 handicap series. The Peglers and Wobblers divided team scoring honors, the former having a 801 scratch game and 2292 scratch series and the latter a 1017 handicap game and 2858 handicap series. The latter two markers were tops for the second half of the season.

Team	W	L
Pin Wobblers	8	0
Cut Ups	8	0
Stinkers	4	4
Easy Aces	4	4
Peglers	3	5
Hobslurps	3	5
66s	1	7
No Pins	1	7

Robins Avenge Loss To K-25 Bluebellies

Y-12 Cagers Win Only One Tilt During Week

The Y-12 varsity cagers didn't have such a good mark last week, putting only one victory against three losses on the book—but that one win was a lulu, the Robins getting sweet revenge over the K-25 Bluebellies with a 43 to 34 victory. The K-25 lassies previously had trounced the Y-12ers.

Invaders Crush Y-12ers

The Y-12ers lost both ends of a double header to outsiders Saturday night, the Robins being trimmed by the Nashville Business College by 46 to 24 and the Cardinals losing to Cosson Sports Center of Knoxville by 68 to 40. The Cards also dropped one to the K-25 Blues by 58 to 38.

In beating the Bluebellies Ruby O'Kain dropped 23 points through the nets, Helen Brown 10, Sue Burger six and Mary Long four. The K-25 lassies tied it up at the end of three periods at 28 points each, but the Robins had enough left to go out in front and stay there. The Cards made a game of it for one half against the Blues but faded later. Fitzgerald got 11 points for his Y-12 outfit.

Knoxville Cagers Too Tall

The Knoxville team was just too tall for the Cards, averaging six-foot. The Robins found themselves flat after their triumph over K-25 and couldn't get started against the smooth Nashville team.

The Y-12ers are slated to meet Oak Ridge National Laboratory cagers in a City League double header Monday night, January 26.

Guards' Whitewash Win Grabs Lead

Action in the C League followed the pattern of other plant bowling loops last week with teams that finished far down in the standings in the first half of the season rising up on their hind legs to take high positions on the ladder. The Guards kept their winning streak by whitewashing the Moles and in other engagements the Angstroms beat the Rusty Five, the UCJVs topped the Eutectics and Hornets bit the Hooks, each by four points.

Paddy Peckman, Rusty Five, had the best scratch scores of the night, a 203 and 530. Thompson, Angstroms, had a 237 handicap game and Kinyon, a teammate, a 644 handicap series for tops. The Rusty Five's 800 scratch game, the 1018 handicap game by the Angstroms and the Hornet's 2236 scratch and 2933 handicap series were best of the night.

League standing follows:

Team	W	L
Guards	8	0
Angstroms	7	1
UCJV	5	3
Hornets	4	4
Rusty Five	3	5
Moles	3	5
Hooks	1	7
Eutectics	1	7

Men And Women Keglers To Vie For Cash, Trophies

March 3 Is Deadline For Entering Big Plant Event; February 1 Handicaps Will Prevail

The eighth annual Y-12 bowling tournament—the biggest participation event each year in plant sports—will be held March 14, 15 and 22 at the Jefferson alleys, it was announced last week by the Recreation Office. Application blanks now are available at the Recreation Office, North Portal, and all men and women bowlers in the plant who want to compete in the tournament are urged to submit their entries as soon as possible. The deadline for all entries is noon, Tuesday, March 3.

Approximately 75 trophies and cash prizes will be awarded winners in the various events. Competition will be held in teams, singles, doubles, mixed doubles and all events. Men and women will not compete against each other, but roll in their own class, with the exception of mixed doubles.

Eligibility Described

All Y-12 employees or any bowlers rolling within a Y-12 league who has bowled 15 games in any ABC or WIBC seasonal league as of February 1 are eligible to participate in the tournament. Any former Y-12 employee is eligible to enter any event if he or she bowled with a team in Y-12 during the 1952-1953 season. Substitutions may be made on teams at any time but no substitutions will be accepted in singles. Bowlers may roll for more than one team but not more than two in the tournament.

Entry fees will be 90 cents per person for bowling and \$1.10 for prize money in every event entered. Bowlers not wanting to compete for prize money may pay cost of bowling only and be eligible for trophies. Entry fees must accompany applications.

Shift Workers Get Preference

Entry fees will be forfeited for any event not bowled as scheduled. Preference for time to bowl will be given only to shift workers.

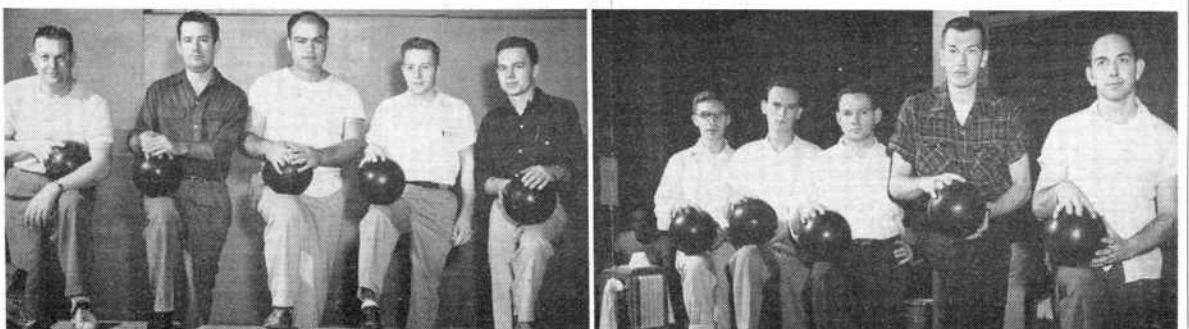
All prize money paid into each event will be returned to that event in cash awards and the prize distribution will be computed so that approximately one out of each four entries in each event will win some cash. There will be no cash award for all events scores.

Individual handicaps prevailing on the highest average of bowlers as of February 1 will be used.

Trophies will be awarded first and second places in every event, with teams receiving six trophies for individual members.

As in past years, the winner of the scratch all events will be declared the Y-12 Plant champion.

A man given to pride usually is proud of the wrong thing.



ALTHOUGH FINISHING FAR DOWN IN THE E LEAGUE STANDINGS IN THE FIRST half of the season, the Pin Wobblers, left, and Cut Ups have taken over the two top spots in the circuit in the second half. The Wobblers, from left, are Bill Hays, Ralph Ford, E. T. Asbury, Ted O'Donnell and Russ Smith. The Cut Ups are Red Crowley, Bob Kedl, Don Taylor, Fred Lynch and Paul Harley.

Fishing Contest Winners Picked

1953 Contest Opened, Regulations Are Same

Prize winners in the 1952 Y-12 Fishing Contest were selected last week and winners are asked to communicate with the Recreation Office, North Portal, telephone 7753, in regards to their awards. Meanwhile the 1953 contest is underway and all Y-12 anglers are urged to obtain entry blanks before they venture forth to the haunts of the wary finny tribe so that they may qualify their top catches for the event.

Rules for the 1953 contest are exactly the same as in 1952 and specie of fish eligible for prizes are largemouth, smallmouth and striped bass, walleye and sauger pike, crappie, blue gill and bream, rainbow trout and rough fish (catfish, drum and carp.) The fishermen are reminded that entry blanks must be filled out and signed before a witness. Each entry must be accompanied by a picture of the catch.

Prizes for the 1953 contest will be based on the number of entries in each classification. If less than nine entries are received in any one class, only two prizes will be awarded and if less than six entries are received only one prize will be offered.

Winners in the 1952 contest follow:

Largemouth bass — L. B. Marrow, five pounds, 15½ ounces, first. D. P. Madewell, same weight but smaller in length and girth, second. F. B. Thomas, five pounds, 14 ounces, third.

Smallmouth bass — D. G. Hill, three pounds, 15 ounces, first. R. F. Graham, same weight but smaller in length and girth, second.

Rainbow trout — Bill Hatfield, four pounds, eight ounces, first. J. J. Owens, three pounds, second. G. G. Everett, two pounds, eight ounces, third.

Walleye pike — T. E. McCarroll, 14 pounds, two ounces, first; Elmer Green, seven pounds, 12 ounces, second. Condon Williams, seven pounds, eight ounces, third. Sauger pike—E. K. Faust, three pounds, four ounces, first and only entry.

Drum — J. B. Mullenax, 11 pounds, first; W. A. Burns, nine pounds, five ounces, second.

Crappie — L. K. Flynn, one pound, 10 ounces, first and only entry.

Engineers Triumph In Class B League

The Engineers of the Y-12 Plant Basketball League are out in front in the recently organized Oak Ridge Class B League with a pair of wins and no losses. The Engineers meet the Little Blues of K-25 at 6 o'clock Friday night, January 23, at the high school.

In their latest outing the Engineers beat the WOKE team by 42 to 31. The Y-12ers got a big lead of 25 to 14 at the half, then allowed the Broadcasters to tie it up at 30-all at the three quarter pole. A rally in the last period gave the Y-12ers the win.

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Volleyball Team Of Y-12 Winner Of League Title

The Y-12 volleyball team won the championship of the American League of Oak Ridge volleyballers last week when the Atomic Energy Commission team was forced to forfeit because of illness of several players. The Y-12ers had a record of 13 wins and only two losses for the season. As a result of the victory the Y-12 team will compete in the A League during the rest of the season, the loop being composed of the three leading teams of the American League in which the Y-12ers competed, and the National League, another six-team circuit. The other teams will form a B League for the rest of the season, the division being made to provide more even competition for the players.

Peons, Split Kids Leading In D League

The downtrodden Peons, at least in the first half of the season in the D League, burst to the top of the standings in the second half of play with a rousing white-wash win over the Activators last week. The victory was extraordinarily sweet to the Peons as the Activators were winners of the first half of the season race. Other results saw the Split Kids, another lowly team in the first half of the schedule, wallop the Isotopes, the Vectors vanquishing the Toppers and the Grocers beating the Old Men, each by three points. The Split Kids took over undisputed possession of second place through their win.

Four bowlers divided individual scoring honors. Overholser, Old Men, had a 199 scratch game. Noey, Vectors, posted a 236 handicap series. Ward, Grocers, tied the second half mark with a 550 handicap series and Hill, Vectors, rolled a 647 handicap series.

The Vectors were tops in single game scores with a 823 scratch and 1037 handicap tally. The Peons led in series scoring with a 2330 and 2929.

Team	W	L
Peons	7	1
Split Kids	6	2
Toppers	5	3
Old Men	4	4
Vectors	4	4
Grocers	3	5
Isotopes	2	6
Activators	1	7

Pistol Team Meets ORNL On Friday

The Y-12 pistol team will meet the Oak Ridge National Laboratory gunmen on Friday night of this week at the Sportsmen's Association range. The Y-12ers won from the Oak Ridge Police last week by a forfeit.

In firing for record the Y-12 team posted a scratch score of 1191 and handicap tally of 1436-498. The high handicap scores for Y-12 were P. H. Williams 289.755; M. E. LaVerne 287.261; J. C. Gallimore 286.991; J. D. Kingston 286.900; and J. C. Ezell 285.550. The top scratch scorers were LaVerne 261, Kingston 258, Ezell 235, Williams 228 and J. D. Rose 208.

Has Beens Stretch Lead In B League

The Has Beens were very definitely present and voting last Thursday night in the B League by blanking the All Stars and stepping out in front of the rest of the loop. The Tigers held second place by dividing two and one-half points with the Cubs. The Bumpers turned in a three point win over the Rippers and the Wolves walloped the Swingsters by the same margin. The Wasps took the Bums for three and the Bldg. 9211 keglars blanked the Rebels.

Pryson, Wolves, posted a 226 scratch game for tops of the night but Valentine, Bldg. 9211 was best in handicap with 257. Schierbaum, Bumpers, rolled a 602 scratch series and boosted it to 662 with handicap. Green, also a Bumper, tied the handicap score of his teammate. In team scoring Bldg. 9211 had the best handicap scores with a 1076 game and 3063 series, the latter high for the second round of play. The Wolves had a 898 scratch game and the Has Beens a 2512 scratch series to lead in those brackets.

League standing follows:

Team	W	L
Has Beens	20	4
Tigers	16 1/2	7 1/2
Bumpers	16	8
Wolves	14	10
Rippers	12	12
Bldg. 9211	12	12
All Stars	11	13
Rebels	10	14
Cubs	9 1/2	14 1/2
Bums	9	15
Swingsters	8	16
Wasps	6	18

Cracker Jax Climb To Tie For First

The Kemps took their first defeat of the second half of the season in the W League last week, being dumped by the Mix Ups for two out of three games. This loss, coupled with a victory by the same margin by the Cracker Jax over the Alley Cats put the Jax girls in a tie with the Kemps for first place. The Controllers, first half winners, rallied from a poor start in the last half, and whitewashed the Curvettes in three games. The Striketees took two from the Gutter Cats in the other clash of the night.

Townsend, Mix Ups, had the best handicap scores of the night and the second half, a 226 game and 622 series. Thompson, Gutter Cats, rolled a 166 scratch game for tops and Reed, Controllers, a 434 scratch series.

League standing follows:

Team	W	L
Kemps	7	2
Cracker Jax	7	2
Mix Ups	5	4
Striketees	5	4
Alley Cats	4	5
Cutter Cats	4	5
Controllers	3	6
Curvettes	1	9

Mechanical Engineers Set Metallizing Talk Thursday

D. W. Peterkin, of the Metallizing Engineering Co., Long Island City, N. Y., will show a movie on metallizing at a meeting of the Oak Ridge Society of Mechanical Engineers on Thursday night, January 22. The meeting will be held at 8 p.m. in the East Lounge of the Ridge Recreation

Attendance Record

MAJOR LEAGUE More Than 50 Employees Scheduled			
Dept.	Absent	Percentage	Standing
2739	0.0	1	6
2005	0.0	1	1
2077	1.3	2	3
2690	1.6	3	5
2142	1.8	4	11
2008	1.9	5	2
2060	2.0	6	10
2091	2.92	7	8
2617	2.19	8	12
2018	2.20	9	19
2108	2.24	10	4
2790	2.4	11	9
2619	2.5	12	7
2003	2.7	13	13
2014	2.8	14	14
2015	3.3	15	17
2618	4.1	16	15
2773	4.4	17	18
2001	5.8	18	16

Group absentee percentage was 2.6 per cent, .1 per cent lower than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled			
Dept.	Absent	Percentage	Standing
2200	0.0	1	1
2140	0.0	1	3
2109	0.8	2	1
2144	0.9	3	9
2616	1.2	4	11
2107	1.4	5	2
2002	1.8	6	1
2093	2.2	7	5
2145	2.7	8	8
2133	3.5	9	12
2743	3.53	10	4
2090	4.3	11	7
2143	5.0	12	6
2101	5.1	13	10
2046	7.2	14	13

Group absentee percentage was 3.8 per cent, .3 per cent higher than the preceding week.

The plant average for the week ending January 11 was 2.9 per cent, remaining the same as the preceding week.

Y-12 Safety Record Is Object Of Pride

Continued from Page 1
ognized throughout Carbide and industry as a whole in the United States as one of the finest in existence. It is well demonstrated by the fact that since Carbide began operations here that Y-12ers have established eight company safety periods of working more than 1,500,000 hours without a lost time accident. Three of those periods were established during 1952, a Company record. Among the Oak Ridge Carbide units Y-12 with its eight periods leads K-25 with five and Oak Ridge National Laboratory with three.

One Death In Five Years
During the past five years only one fatality from an occupational injury has occurred in Y-12. That was in 1951 when an employee was fatally injured while loading a railroad car.

The year of 1949 provided the best safety figures, with the exception of the important severity classification, recorded in the plant. In that year only three lost time accidents were posted. The number of days of work lost were 409, the frequency rate was .86 and the severity rate .12 per cent. However, the number of employees working in 1949 was far below the 1952 employment total.

Here are the records for the other three years as to lost time accidents, number of work days lost, frequency and severity rates:

1948—11, 721, 2.50 and .16.
1950—10, 645, 2.63, .22.
1951—17, 6,464, 2.25, .85. The 6,464 days of work lost was the result of the fatality, which is arbitrarily counted as 6,000 days lost.

Hall. It was erroneously reported last week that Peterkin would speak to the American Society for Metals.

All Y-12 members of the chapter and others interested in the subject are invited to attend the session. Peterkin will answer questions on the subject of metallizing as well as show the movie.

JAPS SPLITTING ATOM

A report from the United Press quotes the Nippon Times as saying that Japan has begun splitting atoms with the new cyclotron at the Institute of Science in Tokyo.

Credit Union Votes 4.2 Per Cent Dividend, Finds Condition Good, Elects New Officers

Continued from Page 1

for a one-year term.

Charles E. Gillihan, Manufacturing Offices; who has been filling an unexpired term on the supervisory committee, was elected to a full term of one year on the supervisory committee. Hold-over members are J. D. McGuffin, Stores; and R. C. Kelly, Materials Chemistry.

Board To Elect Officers

The new board of directors will meet within the next few days to elect a president and vice president.

All new officials elected were included in a slate of nominees submitted by a nominating committee headed by John Reece, Uranium Processing. No new nominations were made from the floor.

The growth of the credit union since its organization in July, 1950, was reflected in the reports of the directors and committees. During the past year assets increased from \$325,893.91 to \$418,487.45. Shares purchased increased from \$314,619.79 to \$398,571.31 in the same period. Loans to members were \$332,479.33 at the close of 1952 compared to \$241,432.79 at the end of 1951.

More Than \$1,000,000 Loaned

The report of Mrs. Causey, the treasurer and general manager, showed the sound financial condition of the credit union operated by and for Y-12ers. In addition to the figures given above as to shares and loans, the report shows that since the organization was formed in 1950 a total of \$1,491,885.81 has been loaned to members, representing a total of 5,748 loans.

This figure shows the valuable role the credit union has played in providing financial assistance to Y-12ers since it was formed.

Delinquency Rate Low

The credit union now has 2,124 members, or shareholders. It has 1,180 loans now outstanding and a delinquency of only \$2,100 which is .6 per cent of the outstanding loans, an extremely low figure according to reports of federal examiners of the Y-12 group who were quoted as saying many credit unions have delinquencies up to seven or eight per cent.

Other items on the treasurer's report showed that the credit union had \$95,083.79 in cash on hand at the end of 1952, expenses were \$23,986.41 and the net profits were \$14,892.89.

Directors' Action Reported

In reporting for the board of directors, President Fortenberry cited several major actions by the board. Investments were controlled by establishing a maximum amount for purchase of shares of \$2,000 per member and \$4,000 per family or group. Security of loans was strengthened and the borrowers' hazards reduced by preventing over-extension of credit in view of present living costs. Extension of automobile loans from 18 to 24 months on the latest two models was granted to make purchase of new vehicles easier to members. Increased service to members was granted by establishment of more convenient office hours, more adequate office space was provided and new equipment was purchased and office personnel increased as business demanded.

No Outside Investments Needed

The president also pointed out that all investments in the credit union are being used by Y-12 employees in the form of loans eliminating the necessity of outside investments by the board. He also cited that records of all transactions are posted within 24 hours and that the privilege of withdrawal of investments on demand attests to the soundness of the policies of the board and the condition of the organization.

The report of the credit committee stated:

"During 1952, the credit committee held 54 meetings, one each

week plus two extra meetings before Christmas, to handle the unusually large volume of applications. In all, 2,655 loans were approved, representing a total of \$809,466.77. Of these loans approved, some 400 have been on automobiles, totaling about \$400,000. Most of the rest of the loans were of a small, short-term nature, for various personal reasons averaging \$150 or less and payable in three to six months. The remainder were mostly loans of \$300 to \$600 for purchase of home appliances, repayment of accumulated debts, small business ventures and home improvements.

200 Applications Rejected
"Some 200 applications were rejected, mainly because of inadequate or ineligible security. One reason for rejection is failure to pay a previous loan down to at least half of the original amount. Every application is considered on its individual merits within the by-laws. When necessary, personal talks are arranged with applicants and final disposition of the loan is based on the interview."

The report of the supervisory committee stated that the group, in performing its duties of periodic audits of the affairs and records of the credit union, has observed that the handling of shares and loans records of members, the transactions and methods employed in reconciling bank balances, the collateral and security requirements in effect, the policies in force for passing on members' loan eligibility and the treasurer's bond are according to accepted accounting procedures and in accordance with federal regulations.

Dr. Felbeck Drops Atomic Energy Work

Continued from Page 1

be built near Portsmouth, Ohio. The gaseous diffusion process is the only process being used today to produce Uranium 235.

Joined Union Carbide In 1923

In addition to the work in the gaseous diffusion separation of Uranium 235, Dr. Felbeck's responsibilities were extended to include Carbide's operation of the Y-12 Electromagnetic Plant and the Oak Ridge National Laboratory, where isotope production, nuclear reactor development and widespread basic research are conducted for the Atomic Energy Commission.

Dr. Felbeck joined Union Carbide in 1923 shortly after he graduated from the University of Illinois and worked on gas separation techniques, particularly methods for low-cost ethylene production. He took a leave of absence from Union Carbide in 1938 and resumed his studies at the California Institute of Technology, where he received the Ph. D. degree in physical chemistry. In 1949 he received the John Wesley Hyatt award for his part in the Corporation's developments in producing polyethylene.

Announcement of Dr. Felbeck's successor in the management of Union Carbide's atomic energy program will be made later.

SWEDES WANT BOMB

Gen. Bengt Nordenskiold, commander of the Swedish Air Forces, has called on Sweden to use every means to obtain a tactical atomic bomb for defense, according to the Associated Press.

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